

## NOTICE OF DRAFTSPERSON'S PATENT DRAWING REVIEW

PTO Draftpersons review all originally filed drawings regardless of whether they are designated as formal or informal. Additionally, patent Examiners will review the drawings for compliance with the regulations. Direct telephone inquiries concerning this review to the Drawing Review Branch, 703-305-8404.

|  |                     |   |                     |                   |                   |                     |                     |                     |               |                |              |              |        |                  |                |                |         |                  |                |                |         |                  |                |                |         |                            |
|--|---------------------|---|---------------------|-------------------|-------------------|---------------------|---------------------|---------------------|---------------|----------------|--------------|--------------|--------|------------------|----------------|----------------|---------|------------------|----------------|----------------|---------|------------------|----------------|----------------|---------|----------------------------|
| <p>The drawings filed (insert date) <u>9/2/93</u> are</p> <p>A. <input type="checkbox"/> not objected to by the Draftsperson under 37 CFR 1.84 or 1.152.<br/>     B. <input checked="" type="checkbox"/> objected to by the Draftsperson under 37 CFR 1.84 or 1.152 as indicated below. The Examiner will require submission of new, corrected drawings when necessary. Corrected drawings must be submitted according to the instructions on the back of this Notice.</p>   |                     | <p>Modified forms. 37 CFR 1.84(h)(5)<br/> <input type="checkbox"/> Modified forms of construction must be shown in separate views.<br/>     Fig(s) _____</p> <p>8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i)<br/> <input type="checkbox"/> View placed upon another view or within outline of another.<br/>     Fig(s) _____<br/> <input type="checkbox"/> Words do not appear in a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s) _____</p> <p>9. SCALE. 37 CFR 1.84(k)<br/> <input type="checkbox"/> Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction.<br/>     Fig(s) _____<br/> <input type="checkbox"/> Indication such as "actual size" or "scale 1/2" not permitted.<br/>     Fig(s) _____<br/> <input type="checkbox"/> Elements of same view not in proportion to each other.<br/>     Fig(s) _____</p> <p>10. CHARACTER OF LINES, NUMBERS, &amp; LETTERS. 37 CFR 1.84(l)<br/> <input checked="" type="checkbox"/> Lines, numbers &amp; letters not uniformly thick and well defined, clean, durable, and black (except for color drawings).<br/>     Fig(s) _____</p> <p>11. SHADING. 37 CFR 1.84(m)<br/> <input type="checkbox"/> Shading used for other than shape of spherical, cylindrical, and conical elements of an object, or for flat parts.<br/>     Fig(s) _____<br/> <input type="checkbox"/> Solid black shading areas not permitted. Fig(s) _____</p> <p>12. NUMBERS, LETTERS, &amp; REFERENCE CHARACTERS. 37 CFR 1.84(p)<br/> <input type="checkbox"/> Numbers and reference characters not plain and legible. 37 CFR 1.84(p)(1) Fig(s) _____<br/> <input type="checkbox"/> Numbers and reference characters used in conjunction with brackets, inverted commas, or enclosed within outlines. 37 CFR 1.84(p)(1) Fig(s) _____<br/> <input type="checkbox"/> Numbers and reference characters not oriented in same direction as the view. 37 CFR 1.84(p)(1) Fig(s) _____<br/> <input type="checkbox"/> English alphabet not used. 37 CFR 1.84(p)(2) Fig(s) _____<br/> <input type="checkbox"/> Numbers, letters, and reference characters do not measure at least .32 cm. (1/8 inch) in height. 37 CFR 1.84(p)(3) Fig(s) _____</p> <p>13. LEAD LINES. 37 CFR 1.84(q)<br/> <input type="checkbox"/> Lead lines cross each other. Fig(s) _____<br/> <input type="checkbox"/> Lead lines missing. Fig(s) _____<br/> <input type="checkbox"/> Lead lines not as short as possible. Fig(s) _____</p> <p>14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(t)<br/> <input type="checkbox"/> Number appears in top margin. Fig(s) _____<br/> <input type="checkbox"/> Number not larger than reference characters. Fig(s) _____<br/> <input type="checkbox"/> Sheets not numbered consecutively, and in Arabic numerals, beginning with number 1. Sheet(s) _____</p> <p>15. NUMBER OF VIEWS. 37 CFR 1.84(u)<br/> <input type="checkbox"/> Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) _____<br/> <input type="checkbox"/> View numbers not preceded by the abbreviation Fig. Fig(s) _____<br/> <input type="checkbox"/> Single view contains a view number and the abbreviation Fig. Fig(s) _____<br/> <input type="checkbox"/> Numbers not larger than reference characters. Fig(s) _____</p> <p>16. CORRECTIONS. 37 CFR 1.84(w)<br/> <input type="checkbox"/> Corrections not durable and permanent. Fig(s) _____</p> <p>17. DESIGN DRAWING. 37 CFR 1.152<br/> <input type="checkbox"/> Surface shading shown not appropriate. Fig(s) _____<br/> <input type="checkbox"/> Solid black shading not used for color contrast. Fig(s) _____</p> |                     |                   |                   |                     |                     |                     |               |                |              |              |        |                  |                |                |         |                  |                |                |         |                  |                |                |         |                            |
| <p>1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings:<br/> <input type="checkbox"/> Black ink. Color.<br/> <input type="checkbox"/> Not black solid lines. Fig(s) _____<br/> <input type="checkbox"/> Color drawings are not acceptable until petition is granted.</p> <p>2. PHOTOGRAPHS. 37 CFR 1.84(b)<br/> <input type="checkbox"/> Photographs are not acceptable until petition is granted.</p> <p>3. GRAPHIC FORMS. 37 CFR 1.84(d)<br/> <input type="checkbox"/> Chemical or mathematical formula not labeled as separate figure. Fig(s) _____<br/> <input type="checkbox"/> Group of waveforms not presented as a single figure, using common vertical axis with time extending along horizontal axis. Fig(s) _____<br/> <input type="checkbox"/> Individuals waveform not identified with a separate letter designation adjacent to the vertical axis. Fig(s) _____</p> <p>4. TYPE OF PAPER. 37 CFR 1.84(e)<br/> <input checked="" type="checkbox"/> Paper not flexible, strong, white, smooth, nonshiny, and durable.<br/>     Sheet(s) <u>10</u> copy machine marks by _____<br/> <input type="checkbox"/> Erasures, alterations, overwritings, interlineations, cracks, creases, and folds not allowed. Sheet(s) _____</p> <p>5. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable paper sizes:<br/>     21.6 cm. by 35.6 cm. (8 1/2 by 14 inches)<br/>     21.6 cm. by 33.1 cm. (8 1/2 by 13 inches)<br/>     21.6 cm. by 27.9 cm. (8 1/2 by 11 inches)<br/>     21.0 cm. by 29.7 cm. (DIN size A4)<br/> <input type="checkbox"/> All drawing sheets not the same size. Sheet(s) _____<br/> <input type="checkbox"/> Drawing sheet not an acceptable size. Sheet(s) _____</p> <p>6. MARGINS. 37 CFR 1.84(g): Acceptable margins:<br/>     Paper size<br/> <table border="1"> <tr><td>21.6 cm. X 35.6 cm.</td><td>21.6 cm. X 33.1 cm.</td><td>21 cm. X 27.9 cm.</td><td>21 cm. X 29.7 cm.</td></tr> <tr><td>(8 1/2 X 14 inches)</td><td>(8 1/2 X 13 inches)</td><td>(8 1/2 X 11 inches)</td><td>(DIN Size A4)</td></tr> <tr><td>T 5.1 cm. (2")</td><td>2.5 cm. (1")</td><td>2.5 cm. (1")</td><td>2.5cm.</td></tr> <tr><td>L .64 cm. (1/4")</td><td>.64 cm. (1/4")</td><td>.64 cm. (1/4")</td><td>2.5 cm.</td></tr> <tr><td>R .64 cm. (1/4")</td><td>.64 cm. (1/4")</td><td>.64 cm. (1/4")</td><td>1.5 cm.</td></tr> <tr><td>B .64 cm. (1/4")</td><td>.64 cm. (1/4")</td><td>.64 cm. (1/4")</td><td>1.0 cm.</td></tr> </table>     Margins do not conform to chart above.<br/>     Sheet(s) _____<br/> <input type="checkbox"/> Top (T) _____ Left (L) _____ Right (R) _____ Bottom (B) _____</p> <p>7. VIEWS. 37 CFR 1.84(h):<br/>     REMINDER: Specification may require revision to correspond to drawing changes.<br/> <input type="checkbox"/> All views not grouped together. Fig(s) _____<br/> <input type="checkbox"/> Views connected by projection lines. Fig(s) _____<br/> <input type="checkbox"/> Views contain center lines. Fig(s) _____</p> <p>Partial views. 37 CFR 1.84(h)(2)<br/> <input type="checkbox"/> Separate sheets not linked edge to edge. Fig(s) _____<br/> <input type="checkbox"/> View and enlarged view not labeled separately. Fig(s) _____<br/> <input type="checkbox"/> Long view relationship between different parts not clear and unambiguous. 37 CFR 1.84(h)(2)(ii)<br/>     Fig(s) _____</p> <p>Sectional views. 37 CFR 1.84(h)(3)<br/> <input type="checkbox"/> Hatching not indicated for sectional portions of an object. Fig(s) _____<br/> <input type="checkbox"/> Hatching of regularly spaced oblique parallel lines not spaced sufficiently. Fig(s) _____<br/> <input type="checkbox"/> Hatching not at substantial angle to surrounding axes or principal lines. Fig(s) _____<br/> <input type="checkbox"/> Cross section not drawn same as view with parts in cross section with regularly spaced parallel oblique strokes. Fig(s) _____<br/> <input type="checkbox"/> Hatching of juxtaposed different elements not angled in a different way. Fig(s) _____</p> <p>Alternate position. 37 CFR 1.84(h)(4)<br/> <input type="checkbox"/> A separate view required for a moved position. Fig(s) _____</p> |                     | 21.6 cm. X 35.6 cm.   | 21.6 cm. X 33.1 cm. | 21 cm. X 27.9 cm. | 21 cm. X 29.7 cm. | (8 1/2 X 14 inches) | (8 1/2 X 13 inches) | (8 1/2 X 11 inches) | (DIN Size A4) | T 5.1 cm. (2") | 2.5 cm. (1") | 2.5 cm. (1") | 2.5cm. | L .64 cm. (1/4") | .64 cm. (1/4") | .64 cm. (1/4") | 2.5 cm. | R .64 cm. (1/4") | .64 cm. (1/4") | .64 cm. (1/4") | 1.5 cm. | B .64 cm. (1/4") | .64 cm. (1/4") | .64 cm. (1/4") | 1.0 cm. | <p>REVIEWER <u>JCR</u></p> |
| 21.6 cm. X 35.6 cm.  | 21.6 cm. X 33.1 cm. | 21 cm. X 27.9 cm.   | 21 cm. X 29.7 cm.   |                   |                   |                     |                     |                     |               |                |              |              |        |                  |                |                |         |                  |                |                |         |                  |                |                |         |                            |
| (8 1/2 X 14 inches)  | (8 1/2 X 13 inches) | (8 1/2 X 11 inches)   | (DIN Size A4)       |                   |                   |                     |                     |                     |               |                |              |              |        |                  |                |                |         |                  |                |                |         |                  |                |                |         |                            |
| T 5.1 cm. (2")   | 2.5 cm. (1")        | 2.5 cm. (1")  | 2.5cm.              |                   |                   |                     |                     |                     |               |                |              |              |        |                  |                |                |         |                  |                |                |         |                  |                |                |         |                            |
| L .64 cm. (1/4")   | .64 cm. (1/4")      | .64 cm. (1/4")  | 2.5 cm.             |                   |                   |                     |                     |                     |               |                |              |              |        |                  |                |                |         |                  |                |                |         |                  |                |                |         |                            |
| R .64 cm. (1/4")   | .64 cm. (1/4")      | .64 cm. (1/4")  | 1.5 cm.             |                   |                   |                     |                     |                     |               |                |              |              |        |                  |                |                |         |                  |                |                |         |                  |                |                |         |                            |
| B .64 cm. (1/4")   | .64 cm. (1/4")      | .64 cm. (1/4")  | 1.0 cm.             |                   |                   |                     |                     |                     |               |                |              |              |        |                  |                |                |         |                  |                |                |         |                  |                |                |         |                            |